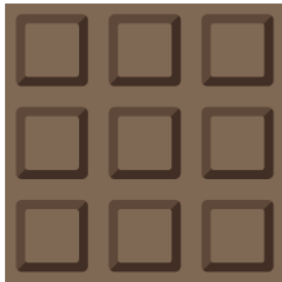


Adding Fractions

In Focus



Let's share
this bar of chocolate.
I will have one piece.



I will have 3 pieces,
one entire row.



Let's Learn

1



$\frac{1}{9}$



We need to make both
the same 'type' of fractions
before adding.

$\frac{1}{3}$



1 ninth + 1 third is not
2 ninths or 2 thirds!



$$\frac{1}{3} = \frac{3}{9}$$

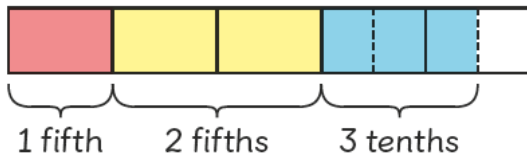


$$\begin{aligned} \frac{1}{9} + \frac{1}{3} &= \frac{1}{9} + \frac{3}{9} \\ &= \frac{4}{9} \end{aligned}$$

1 ninth + 3 ninths
= 4 ninths



- 2 Find the sum of $\frac{1}{5}$, $\frac{3}{10}$ and $\frac{2}{5}$.



$$\begin{aligned} \frac{1}{5} + \frac{2}{5} &= \frac{3}{5} \\ \frac{1}{5} + \frac{3}{10} + \frac{2}{5} &= \frac{3}{5} + \frac{3}{10} \\ &= \frac{6}{10} + \frac{3}{10} \\ &= \frac{9}{10} \end{aligned}$$

$$\frac{3}{5} = \frac{6}{10}$$



Guided Practice

- 1 Add.

(a) $\frac{1}{9} + \frac{4}{9} =$

Both are ninths.

(b) $\frac{1}{10} + \frac{1}{5} =$

$$\frac{1}{5} = \frac{\quad}{10}$$

(c) $\frac{1}{2} + \frac{1}{4} =$



- 2 Find the sum of $\frac{1}{3}$, $\frac{1}{6}$ and $\frac{1}{12}$.

The denominators are different.



- 3 Find 3 different fractions that add up to 1.

Worksheet 8

Adding Fractions

1 Add and give your answer in the simplest form.

$$(a) \quad \frac{2}{5} + \frac{2}{5} = \boxed{}$$

$$(b) \quad \frac{2}{7} + \frac{4}{7} = \boxed{}$$

$$(c) \quad \frac{4}{9} + \frac{2}{9} = \boxed{}$$

$$= \boxed{}$$

$$(d) \quad \frac{3}{8} + \frac{1}{8} = \boxed{}$$

$$= \boxed{}$$

2 Add.

$$(a) \quad \frac{5}{8} + \frac{1}{4}$$

$$= \boxed{} + \boxed{}$$

$$= \boxed{}$$

$$(b) \quad \frac{1}{6} + \frac{5}{12}$$

$$= \boxed{} + \boxed{}$$

$$= \boxed{}$$

$$(c) \quad \frac{1}{2} + \frac{2}{6}$$

$$= \boxed{} + \boxed{}$$

$$= \boxed{}$$

$$(d) \quad \frac{1}{15} + \frac{2}{5}$$

$$= \boxed{} + \boxed{}$$

$$= \boxed{}$$

3 Add.

$$(a) \quad \frac{2}{5} + \frac{1}{5} + \frac{1}{10}$$
$$= \square + \square + \square$$
$$= \square$$

$$(b) \quad \frac{1}{3} + \frac{2}{5} + \frac{3}{15}$$
$$= \square + \square + \square$$
$$= \square$$

$$(c) \quad \frac{1}{6} + \frac{1}{4} + \frac{1}{2}$$
$$= \square + \square + \square$$
$$= \square$$

$$(d) \quad \frac{1}{8} + \frac{1}{4} + \frac{1}{2}$$
$$= \square + \square + \square$$
$$= \square$$